

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

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of

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Complete if Known

Application Number	10/810,311
Filing Date	March 26, 2004
First Named Inventor	Ramkumar MANDALAM
Art Unit	1632
Examiner Name	Thaian N. TON
Attorney Docket Number	093/030

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number Number-Kind-Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, where relevant passages or relevant figures appear
		5,030,105	07-09-1991	Kuri-Harcuch et al.	
		5,532,156	07-02-1996	Talbot et al.	
		5,559,022	09-24-1996	Naughton et al.	
		5,576,207	11-19-1996	Reid et al.	
		5,763,255	06-09-1998	Swiderek et al.	
		5,869,243	02-09-1999	Jauregui et al.	
		6,017,760	01-25-2000	Jauregui et al.	
		6,129,911	10-10-2000	Faris	
	+	6,458,589 B1	10-01-2002	Rambhatla et al.	
	+	6,506,574 B1	01-14-2003	Rambhatla et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind-Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, where relevant passages or relevant figures appear	T
		EP 0 827 742 A1	03-11-1998	Vrije Universiteit Brussel		
		EP 0 827 743 A1	03-11-1998	Vrije Universiteit Brussel		
		EP 0 953 633 A1	11-03-1999	Livercell LLC		
		WO 91/15573 A1	10-17-1991	Southwest Foundation for Biomedical Research		
		WO 95/12665 A1	05-11-1995	Diacrin, Inc.		
		WO 97/47307 A1	12-18-1997	The UAB Res. Foundation		
		WO 97/47734 A1	12-18-1997	The Regents of UC		
		WO 99/23885 A1	05-20-1999	The Salk Institute for Biological Studies		
		WO 99/37150 A1	07-29-1999	Sloan Kettering Inst. For Cancer Res.		
		WO 00/03001 A1	01-20-2000	Rhode Island Hospital		
		WO 00/18239 A1	04-06-2000	Univ. of Nebraska Board of Regents et al.		
		WO 00/22098 A1	04-20-2000	Geron Bio-Med Ltd.		
		WO 00/43498 A2	07-27-2000	Univ. of North Carolina at Chapel Hill		
		WO 00/50048 A2	08-31-2000	Univ. of Pittsburgh		

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		Country Code-Number-Kind-Code				
		WO 01/39784 A1	06-07-2001	The General Hospital Corp.		
		WO 01/49113 A1	07-12-2001	Univ. Massachusetts		
		WO 01/62901 A2	08-30-2001	Artecel Sciences, Inc.		
	+1	WO 01/81549 A2,A3	11-01-2001	Geron Corporation		

NON PATENT LITERATURE DOCUMENTS			
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		ADAMS, R. et al., "Effective cryopreservation and long-term storage of primary human hepatocytes with recovery of viability, differentiation, and replicative potential," <i>Cell Transplantation</i> 4(6):579-86 (1995).	
		AGELLI, M. et al., "Putative liver progenitor cells: conditions for long-term survival in culture," <i>Histochemical J.</i> 29:205-17 (1997).	
	+2	ALBERTS, B. et al., <i>Molecular Biology of the Cell</i> , Garland Publishing, Inc., New York, pp. 66, 85, 347 (1989).	
		ALISON, M., "Liver stem cells: a two compartment system," <i>Curr. Op. Cell Biol.</i> 10:710-15 (1998).	
		ATCC website info. For Chang liver cells, ATCC # CCL-1.	
		BARIBAULT, H. & MARCEAU, N., "Dexamethasone and dimethylsulfoxide as distinct regulators of growth and differentiation of cultured suckling rat hepatocytes," <i>J. Cell Physiol.</i> 129(1):77-84 (1986).	
		BLOCK, G. et al., "Population expansion, clonal growth, and specific differentiation patterns in primary cultures of hepatocytes induced by HGF/SF, EGF and TGF α in a chemically defined (HGM) medium," <i>J. Cell Biol.</i> 132(6):1133-49 (1996).	
		BLOUIN, M. et al., "Specialization switch in differentiating embryonic rat liver progenitor cells in response to sodium butyrate," <i>Exp. Cell Res.</i> 217:22-30 (1995).	
	+3	BODNAR, A. et al., "Extension of life-span by introduction of telomerase into normal human cells," <i>Science</i> 279:349-52 (1998).	
		BRILL, S. et al., "Expansion conditions for early hepatic progenitor cells from embryonal and neonatal rat livers," <i>Dig Diseases & Sci.</i> 44(2):364-71 (1999).	
		BUOMMINO, E. et al., "Sodium butyrate/retinoic acid costimulation induces apoptosis-independent growth arrest and cell differentiation in normal and ras-transformed seminal vesicle epithelial cells unresponsive to retinoic acid," <i>J. Mol. Endocrinol.</i> 24(1):83-94 (2000).	
		CHEN, H-L. et al., "Long-term culture of hepatocytes from human adults," <i>J. Biomed. Sci.</i> 5:435-40 (1998).	

Examiner Signature		Date Considered	
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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /TNT/

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		CHEN, W. et al., "Reactivation of silenced, virally transduced genes by inhibitors of histone deacetylase," <i>Proc. Natl. Acad. Sci. USA</i> 94:5798-803 (1997).		
	+4	CHERNY, R. et al., "Strategies for the isolation and characterization of bovine embryonic stem cells," <i>Reprod. Fertil. Dev.</i> 6:569-75 (1994).		
	+5	CHINZEI, R. et al., "Embryoid-body cells derived from a mouse embryonic stem cell line show differentiation into functional hepatocytes," <i>Hepatology</i> 36:22-29 (2002).		
	+6	CHOI, D. et al., "Differentiation of embryonic stem cells into hepatocytes," <i>Tissue Eng.</i> 6(6):675 Abstract O-43 (2000).		
		COGHLAN, A., "Highly Cultured," <i>New Scientist</i> (2000).		
		COLEMAN, W. et al., "Development of dexamethasone-inducible tyrosine aminotransferase activity in WB-F344 rat liver epithelial stemlike cells cultured in the presence of sodium butyrate," <i>J. Cell Physiol.</i> 161(3):463-69 (1994).		
		DAVIS, M. et al., "Involvement of G α 2 in sodium butyrate-induced erythroblastic differentiation of K562 cells," <i>Biochem. J.</i> 346:455-61 (2000).		
		DEVEREUX, T. et al., "DNA methylation analysis of the promoter region of the human telomerase reverse transcriptase (<i>hTERT</i>) gene," <i>Cancer Res.</i> 59:6087-90 (1999).		
		ENAT, R. et al., "Hepatocyte proliferation <i>in vitro</i> : Its dependence on the use of serum-free hormonally defined medium and substrata of extracellular matrix," <i>Proc. Natl. Acad. Sci. USA</i> 81:1411-15 (1984).		
		ENGELMANN, G. et al., "Effect of sodium butyrate on primary cultures of adult rat hepatocytes," <i>In Vitro Cell. Dev. Biol.</i> 23(2):86-92 (1987).		
		FALASCA, L. et al., "The effect of retinoic acid on the re-establishment of differentiated hepatocyte phenotype in primary culture," <i>Cell Tissue Res.</i> 293:337-47 (1998).		
		GERMAIN, L. et al., "Biliary epithelial and hepatocytic cell lineage relationships in embryonic rat liver as determined by the differential expression of cytokeratins, α -fetoprotein, albumin, and cell surface-exposed components" <i>Cancer Res.</i> 48:4909-18 (1988).		
		GERMAIN, L. et al., "Promotion of growth and differentiation of rat ductular oval cells in primary culture," <i>Cancer Res.</i> 48(2):368-78 (1988).		
		GILLENWATER, A. et al., "Effects of sodium butyrate on growth, differentiation, and apoptosis in head and neck squamous carcinoma cell lines," <i>Head Neck</i> 22(3):247-56 (2000).		
		GLADHAUG, I. et al., "Effects of butyrate on epidermal growth factor receptor binding, morphology, and DNA synthesis in cultured rat hepatocytes," <i>Cancer Res.</i> 48(22):6560-64 (1988).		
		GRAHAM, K. et al., "Sodium butyrate induces differentiation in breast cancer cell lines expressing the estrogen receptor," <i>J. Cell Physiol.</i> 136(1):63-71 (1988).		
	+7	GRANÉRUS, M. & ENGSTRÖM, W., "Growth factors and apoptosis," <i>Cell Prolif.</i> 29:309-14 (1996).		

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		GRISHAM, J. et al., "Liver stem cells," <i>Stem Cells</i> pp. 233-282 (1997).	
		GUIXIANG, T. et al., "Different effects of cyclic AMP and butyrate on eosinophilic differentiation, apoptosis and bcl-2 expression of a human eosinophilic leukemia cell line, EoL-1," <i>Hematol Oncol.</i> 14(4):181-92 (1996).	
	+8	HAMAZAKI, T. et al., "Hepatic maturation in differentiating embryonic stem cells in vitro," <i>FEBS Lett.</i> 497(1):15-19 (2001).	
	+9	HAYASHI, Y. et al., "Liver enriched transcription factors and differentiation of hepatocellular carcinoma," <i>Meth. Pathol.</i> 52:19-24 (1999).	
		HOSHI, H. et al., "Direct analysis of growth factor requirements for isolated human fetal hepatocytes," <i>In Vitro Cell. Dev. Biol.</i> 23(10):723-32 (1987).	
	+10	IMAMURA, T. et al., "Embryonic stem cell-derived embryonic bodies in three-dimensional culture system form hepatocyte-like cells <i>in Vitro</i> and <i>in Vivo</i> ," <i>Tissue Eng.</i> 10(11/12):1716-24 (2004).	
	+11	ITSKOVITZ-ELDOR, J. et al., "Differentiation of human embryonic stem cells into embryoid bodies comprising the three embryonic germ layers," <i>Molec. Med.</i> 6:88-95 (2000).	
		JENG, J. et al., "Effects of butyrate and propionate on the adhesion, growth, cell cycle kinetics, and protein synthesis of cultured human gingival fibroblasts," <i>J. Periodontol.</i> 70(12):1435-42 (1999).	
		KAMITANI, H., et al., "Regulation of 12-lipoxygenase in rat intestinal epithelial cells during differentiation and apoptosis induced by sodium butyrate," <i>Arch. Biochem. Biophys.</i> 368(1):45-55 (1999).	
		KANEKO, Y. et al., "Alteration of differentiation state of human hepatocytes cultured with novobiocin and butyrate," <i>Cancer Res.</i> 50:3101-5 (1990).	
		KOBAYASHI, N. et al., "Establishment of a highly differentiated immortalized human hepatocyte cell line as a source of hepatic function in the bioartificial liver," <i>Transplant. Proc.</i> 32:237-41 (2000).	
		KONO, Y. et al., "Extended primary culture of human hepatocytes in a collagen gel sandwich system," <i>In Vitro Cell. Dev. Biol.- Animal</i> 33:467-72 (1997).	
		KOSUGI, H. et al., "Histone deacetylase inhibitors are the potent inducer/enhancer of differentiation in acute myeloid leukemia: a new approach to anti-leukemia therapy," <i>Leukemia</i> 13:1316-24 (1999).	
		KOUTSOVELKIDIS, I. et al., "Butyrate inhibits and <i>Escherichia coli</i> -derived mitogen(s) stimulate DNA synthesis in human hepatocytes <i>in vitro</i> ," <i>Prep. Biochem. Biotechnol.</i> 29(2):121-38 (1999).	
	+12	KUBO, A. et al., "Development of definitive endoderm from embryonic stem cells in culture," <i>Development</i> 131:1651-62 (2003).	

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	+13	LAVON, N. & BENVENISTY, N., "Study of hepatocyte differentiation using embryonic stem cells," <i>J. Cell. Biochem.</i> 96:1193-1202 (2005).	
	+14	LAVON, N. et al., "Differentiation and isolation of hepatic-like cells from human embryonic stem cells," <i>Differentiation</i> 72:230-8 (2004).	
		LÁZARO, C. et al., "Generation of hepatocytes from oval cell precursors in culture," <i>Cancer Res.</i> 58:5514-22 (1998).	
		LEE, J-H. et al., "Histone deacetylase activity is required for embryonic stem cell differentiation," <i>Genesis</i> 38:32-8 (2004).	
		LI, J. et al., "Mammalian hepatocyte differentiation requires the transcription factor HNF-4 α ," <i>Genes & Dev.</i> 14:464-474 (2000).	
		MASUDA et al., "Up-regulation of E-cadherin and β -catenin in human hepatocellular carcinoma cell lines by sodium butyrate and interferon- α ," <i>In Vitro Cell. Dev. Biol. - Animal</i> 36:387-94 (2000).	
		MATSUI, T. & TAKETO, A., "Induction of catecholamine synthesis in human neuroblastoma cells by replication inhibitors and sodium butyrate," <i>Brain Res.</i> 843:112-17 (1999).	
		McBAIN, J. et al., "Apoptotic death in adenocarcinoma cell lines induced by butyrate and other histone deacetylase inhibitors," <i>Biochem Pharm.</i> 53:1357-68 (1997).	
		MICHALOPOULOS, G. et al., "Morphogenetic events in mixed cultures of rat hepatocytes and nonparenchymal cells maintained in biological matrices in the presence of hepatocyte growth factor and epidermal growth factor," <i>Hepatology</i> 29(1):90-100 (1999).	
		MITAKA, T. et al., "Redifferentiation of proliferated rat hepatocytes cultured in L15 medium supplemented with EGF and DMSO," <i>In Vitro Cell Dev. Biol.</i> 29A:714-722 (1993).	
		MITAKA, T., "The current status of primary hepatocyte culture," <i>Int. J. Exp. Path.</i> 79:393-409 (1998).	
		MOREADITH, R. & RADFORD, N., "Gene targeting in embryonic stem cells: the new physiology and metabolism," <i>J. Mol. Med.</i> 75:208-16 (1997).	
		NIKI, T. et al., "A histone deacetylase inhibitor, trichostatin A, suppresses myofibroblastic differentiation of rat hepatic stellate cells in primary culture," <i>Hepatology</i> 29(3):858-867 (1999).	
		PACK, R. et al., "Isolation, biochemical characterization, long-term culture, and pheotype modulation of oval cells from carcinogen-fed rats," <i>Exp Cell Res.</i> 204(2):198-209 (1993).	
		PAGAN, R. et al., "Effects of growth and differentiation factors on the epithelial-mesenchymal transition in cultured neonatal rat hepatocytes," <i>J. Hepatol.</i> 31:859-904 (1999).	
	+15	PEASE, S. et al., "Isolation of embryonic stem (ES) cells in media supplemented with recombinant leukemia inhibitory factor (LIF)," <i>Dev. Biol.</i> 141:344-52 (1990).	
		PERA et al., "," <i>J. Cell Sci.</i> 113:5-10 (2000).	

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--------------------	--	-----------------	--

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		PEREZ, R. et al., "Sodium butyrate upregulates Kupffer cell PGE ₂ production and modulates immune function," <i>J. Surg. Res.</i> 78(1):1-6 (1998).		
		PERRINE, S. et al., "A short-term trial of butyrate to stimulate fetal-globin-gene expression in the beta-globin disorders," <i>N. Engl. J. Med.</i> 328(2):81-86 (1993).		
		PERRINE, S. et al., "Butyrate derivatives. New agents for stimulating fetal globin production in the β -globin disorders," <i>Am. J. Pediatr. Hemotol. Oncol.</i> 16(1):67-71 (1994).		
	+16	RAMBHATLA, L. et al., "Generation of hepatocyte-like cells from human embryonic stem cells," <i>Cell Transplantation</i> 12:1-11 (2003).		
	+17	RATHJEN, P. et al., "Properties and uses of embryonic stem cells: prospects for application to human biology and gene therapy," <i>Reprod. Fertil. Dev.</i> 10:31-47 (1998).		
		REYNOLDS, S. et al., "Differentiation-inducing effect of retinoic acid, difluoromethylornithine, sodium butyrate and sodium suramin in human colon cancer cells," <i>Cancer Lett.</i> 134(1):53-60 (1998).		
		RIVERO, J. & ADUNYAH, S., "Sodium butyrate stimulates PKC activation and induces differential expression of certain PKC isoforms during erythroid differentiation," <i>Biochem. Biophys. Res. Comm.</i> 248(3):664-68 (1998).		
		ROCCHI, P. et al., "Effect of butyrate analogues on proliferation and differentiation in human neuroblastoma cell lines," <i>Anticancer Res.</i> 18:1099-103 (1998).		
		ROGLER, L. "Selective bipotential differentiation of mouse embryonic hepatoblasts <i>in vitro</i> ," <i>Am. J. Pathol.</i> 150(2):591-602 (1997).		
	+18	RUHNKE, M. et al., "Long-term culture and differentiation of rat embryonic stem cell-like cells into neuronal, glial, endothelial, and hepatic lineages," <i>Stem Cells</i> 21:428-36 (2003).		
		RUNGE, D. et al., "STAT 1 α /1 β , STAT 3 and STAT 5: Expression and Association with c-MET and EGF-Receptor in Long-Term Cultures of Human Hepatocytes," <i>Biochem. Biophys. Res. Comm.</i> 265:376-81 (1999).		
		SAITO, H. et al., "Changes of antigen expression on human hepatoma cell lines caused by sodium butyrate, a differentiation inducer," <i>J. Gastroenterol.</i> 29:733 (1994).		
		SAITO, H. et al., "Differentiating effect of sodium butyrate on human hepatoma cell lines PLC/PRF/5, HCC-M and HCC-T," <i>Int. J. Cancer</i> 48(2):291-96 (1991).		
		SAITO, H. et al., "Effect of dexamethasone, dimethylsulfoxide and sodium butyrate on a human hepatoma cell line PLC/PRF/5," <i>Cancer Biochem. Biophys.</i> 13:75-84 (1992).		
		SÁNCHEZ, A. et al., "Transforming growth factor- β (TGF- β) and EGF promote cord-like structures that indicate terminal differentiation of fetal hepatocytes in primary culture," <i>Exp. Cell Res.</i> 242:27-37 (1998).		
	+19	SCHULDINER, M. et al., "Effects of eight growth factors on the differentiation of cells derived from human embryonic stem cells," <i>PNAS</i> 97(21):11307-12 (2000).		

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--------------------	--	-----------------	--

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		SCHULTZ, R. et al., "Reprogramming of gene expression during preimplantation development," <i>J. Exp. Zool. (Mol. Dev. Evol.)</i> 285:276-82 (1999).		
	+20	SHIRAHASHI, H. et al., "Differentiation of human and mouse embryonic stem cells along a hepatocyte lineage," <i>Cell Transplantation</i> 13:197-211 (2004).		
		SIAVOSHIAN, S. et al., "Butyrate and trichostatin A effects on the proliferation/differentiation of human intestinal epithelial cells: induction of cyclin D3 and p21 expression," <i>Gut</i> 46(4):507-14 (2000).		
		SIMON, B. et al., "Transient transcriptional activation of gastrin during sodium butyrate-induced differentiation of islet cells," <i>Regul. Pept.</i> 70:143-48 (1997).		
		STAECKER, J. et al., "Sodium butyrate preserves aspects of the differentiated phenotype of normal adult rat hepatocytes in culture," <i>J. Cell. Physiol.</i> 135(3):367-76 (1988).		
		STAECKER, J. et al., "Stimulation of DNA synthesis in primary cultures of adult rat hepatocytes by sodium butyrate," <i>Biochem. Biophys. Res. Comm.</i> 147(1):78-85 (1987).		
		STAECKER, J. & PITOT, H., "The effect of sodium butyrate on tyrosine aminotransferase induction in primary cultures of normal adult rat hepatocytes," <i>Arch. Biochem. Biophys.</i> 261(2):291-98 (1988).		
		STRAIN, A., "Ex vivo liver cell morphogenesis: one step nearer to the bioartificial liver," <i>Hepatology</i> 29(1):288-90 (1999).		
		SUN, S. et al., "Altered phospholipid metabolism in sodium butyrate-induced differentiation of C6 glioma cells," <i>Lipids</i> 32(3):273-82 (1997).		
		TAMAGAWA, K. et al., "Proanthocyanidins from barley bran potentiate retinoic acid-induced granulocytic and sodium butyrate-induced monocytic differentiation of HL60 cells," <i>Biosci. Biotechnol. Biochem.</i> 62(8):1483-87 (1998).		
		TANAKA, T. et al., "Adenovirus-mediated prodrug gene therapy for carcinoembryonic antigen-producing human gastric carcinoma cells <i>in vitro</i> ," <i>Cancer Res.</i> 56(6):1341-45 (1996).		
		TATENO, C. et al., "Growth and differentiation of adult rat hepatocytes regulated by the interaction between parenchymal and non-parenchymal liver cells," <i>J. Gast. Hepatol.</i> 13(Suppl.):S83-S92 (1998).		
		TATENO, C. et al., "Growth potential and differentiation capacity of adult rat hepatocytes <i>in vitro</i> ," <i>Wound Rep. Reg</i> 7(1):36-44 (1999).		
	+21	THOMSON, et al., "Embryonic stem cell lines derived from human blastocysts," <i>Science</i> 282:1145-7 (1998).		
	+22	THOMSON, J. et al., "Neural differentiation of rhesus embryonic stem cells," <i>APMIS</i> 106:149-56 (1998).		
	+23	TROUNSON, A. & PERA, M., "Potential benefits of cell cloning for human medicine," <i>Reprod. Fertil. Dev.</i> 10:121-25 (1998).		

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		VERFAILLIE, C. et al., "Stem Cells: Hype and Reality," <i>Hematol. (Am. Soc. Hematol. Educ. Prog.)</i> , pp. 369-91 (2002).	
		WANG, G. et al., "Transforming growth factor- β 1 acts cooperatively with sodium <i>n</i> -butyrate to induce differentiation of normal human keratinocytes," <i>Exp. Cell Res.</i> 198(1):27-30 (1992).	
		WATKINS, S. et al., "Butyric acid and tributyrin induce apoptosis in human hepatic tumour cells," <i>J. Dairy Res.</i> 66(4):559-67 (1999).	
		Webster's Online Dictionary, definition for "HeLa cells," one page.	
		YABUSHITA, H. & SARTORELLI, A., "Effects of sodium butyrate, dimethylsulfoxide and dibutyryl cAMP on the poorly differentiated ovarian adenocarcinoma cell line AMOC-2," <i>Oncol. Res.</i> 5(4-5):173-82 (1993).	
		YAMADA, K. et al., "Effects of butyrate on cell cycle progression and polyploidization of various types of mammalian cells," <i>Biosci. Biotechnol. Biochem.</i> 56(8):1261-65 (1992).	
		YOON, J-H. et al., "Augmentation of Urea-synthetic Capacity by Inhibition of Nitric Oxide Synthesis in Butyrate-Induced Differentiated Human Hepatocytes," <i>FEBS Lett.</i> 474:175-78 (2000).	
		YOON, J-H. et al., "Development of a non-transformed human liver cell line with differentiated-hepatocyte and urea-synthetic functions: applicable for bioartificial liver," <i>Int. J. Artifical Organs</i> 22(11):769-77 (1999).	
		YOSHIZAWA, T. et al., "Dimethylsulfoxide maintains intercellular communication by preserving the gap junctional protein connexin32 in primary cultured hepatocyte doublets from rats," <i>J. Gastroenterol. Hepatol.</i> 12:325-30 (1997).	
		ZVIBEL, I. et al., "Phenotypic characterization of rat hepatoma cell lines and lineage-specific regulation of gene expression by differentiation agents," <i>Differentiation</i> 63:215-23 (1998).	

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